	Application No.	Applicant(s)	
Notice of Allowability	10/790,764	TAKAURA ET AL.	
	Examiner	Art Unit	
	Ти-Ти Но	2818	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not includ will be mailed in due	ed course. THIS
1. This communication is responsive to <u>Amendment filed 11/2</u>	<u>28/2005</u> .		
2. The allowed claim(s) is/are 1,2 and 4-17.			
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☑ Examiner's Amendn 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), te nent/Comment	owance

DETAILED ACTION

1. Applicant's Amendment filed 11/28/2005 including drawings, which have been approved, has been reviewed and placed of record in the file.

Election/Restrictions

2. Claims 6-9 and 16-17 depend on an allowable claim and include all limitations of the allowable claim. The claims previously withdrawn from consideration as a result of a restriction requirement, are now subject to being rejoined. Claims 6-9 and 16-17 are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Since all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement made in the Office action mailed on 06/09/2005 is hereby withdrawn.

Allowable Subject Matter

3. Claims 1-2 and 4-17 are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach or render obvious a semiconductor integrated circuit device having a plurality of memory cells formed on a semiconductor substrate, each made up by electrically connecting a resistor element in series with a field effect transistor (FET) with all exclusive limitations as recited in claims 1, 2, and 4, comprising a plurality of first electrodes each connected to the FET which is included in a corresponding one of the plurality of memory cells, a stacked layer film

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formed of a phase change material layer and a second electrode, the resistor element being part of the stacked layer film, a surface area of each of the plurality of first electrodes being smaller than a surface area of the stacked layer film, a phase change region formed in a contact part between one of the plurality of first electrodes and the stacked layer film; the phase change material layer either: made of one phase change material layer of plural phase change material layers with resistance values changing by heat treatments, or: made of one phase change material layer or plural phase change material layers with resistance values changing by heating treatments; the stacked layer film including the phase change material layer made of one phase change material layer of plural phase change material layers being connected to the plurality of first electrodes in common, and the stacked layer film including the phase change material layer made of one phase change material layer or plural phase change material layers formed on a conductive layer serving as a bit line of the memory cells through the intermediary of an insulation film so as to be connected to the plurality of first electrodes in common.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tu-Tu Ho

December 05, 2005